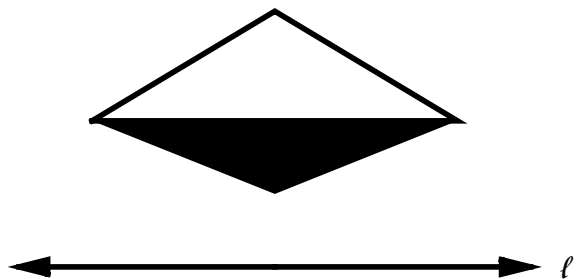


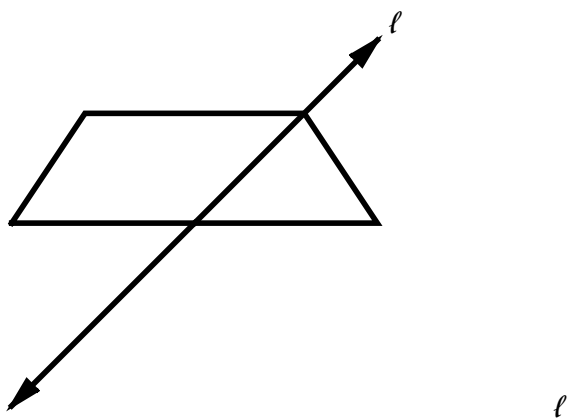
## Worksheet 14.1: Reflections

Draw the reflection image of the figure in line  $\ell$ .

1.



2.

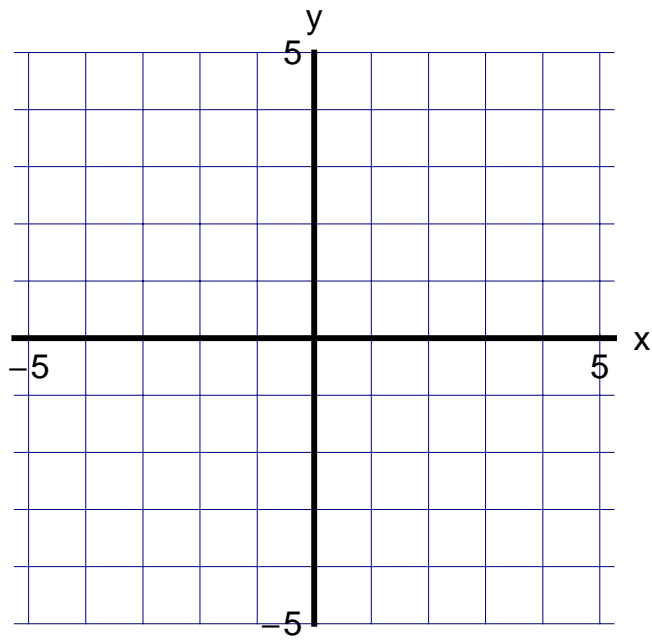


3.

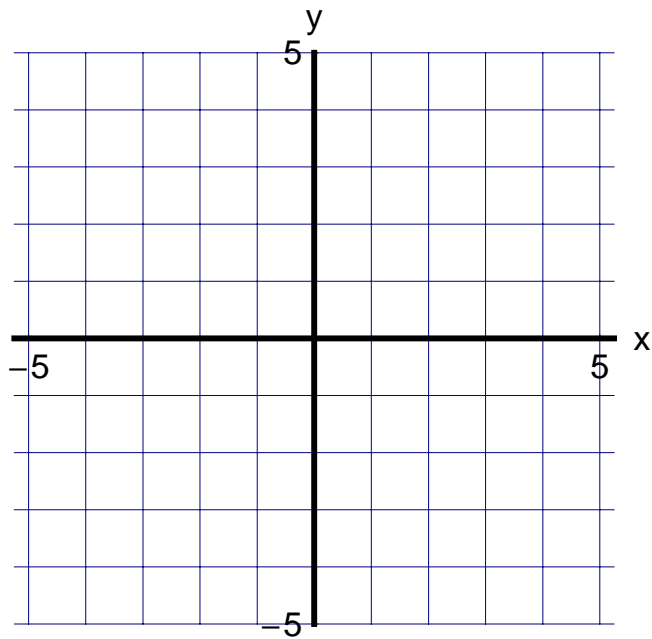


Given  $Z(1, 4)$ ,  $A(3, 5)$ , and  $B(2, 1)$ , draw  $\triangle ZAB$  and its reflection image in the given line.

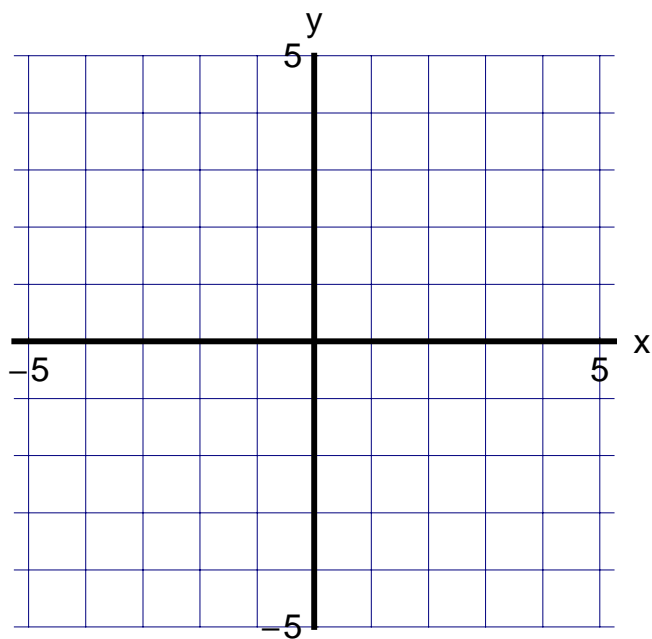
4. the x-axis.



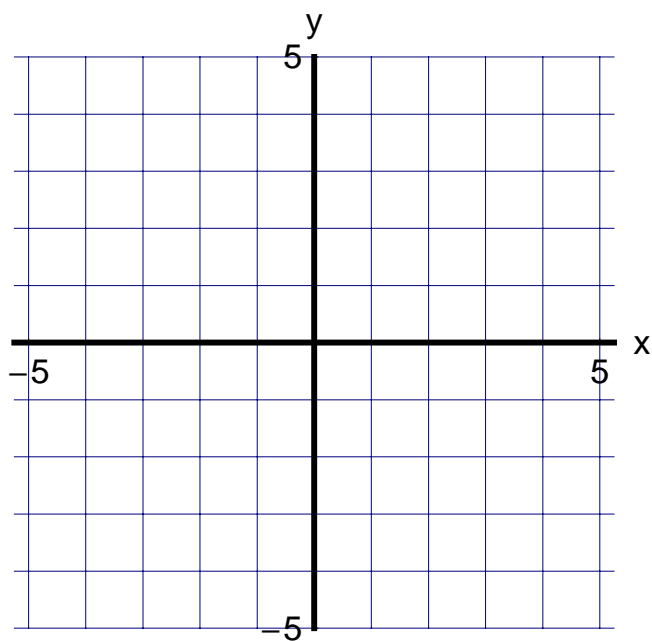
5. the y-axis



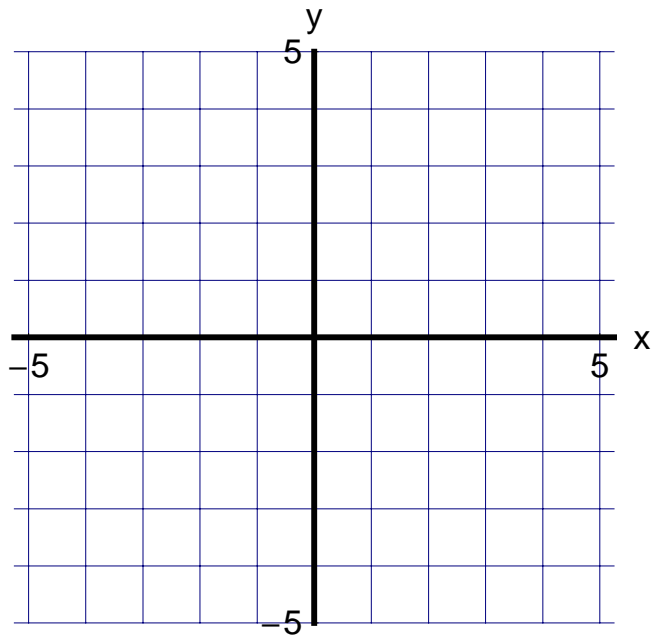
6.  $y = 2$



7.  $x = 2$



8.  $y = -x$



9. Given that the transformation  $\triangle ZAB \rightarrow \triangle Z'A'B'$  is an isometry, list everything you know about the two figures.

10. Under a reflection, do all points move the same distance? If not, which points move the farthest? Which points move the least?

